

**Brookhaven National Laboratory  
RADIOLOGICAL WORK PERMIT**

RWP # 04-02

Start Date: 08-01-04

☒ Job Specific

☐ Standing /General

End Date: 07-31-05

**(Shaded areas 1 through 8 to be completed by requestor/initiator)**

Revised End Date:

1. Initiator: Raymond Karol	2. Life #:15065	3. Phone: 5272	4. Bldg: 911A
5. Job Location(s): Posted High Radiation Primary Beam Areas: Bldg. 930 LINAC Tunnel (Excluding the BLIP Beam Line), Building 942 (Booster Ring), Building 913 (AGS Ring), Building 956 (NSRL stub tunnel) and ATR.			
6. Job Description (Attach sheets as needed): <b><i>Routine Entry for Inspections, Data Collection, Tours, and Routine Work Activities Performed by a System Specialist.</i></b>			
6a. Work Begins: 08-01-04	6b. Work Ends: 07-31-05		
7. Historical/Other Concerns: Exposure Rates > 1 R/hr may exist Following Operations with High Intensity Protons at Various Limiting Apertures (e.g., E20, F5, F10, J10, and L20 in the AGS Ring, and at C5, F5, and F6 in the Booster Ring).			
8. Signature of Initiator: <b>Ray Karol</b> <i>Signature on file</i>			
9. Conditions that will void RWP: None			
10. Job Review:  <input checked="" type="checkbox"/> Pre-Job Review <input type="checkbox"/> Pre-Job Briefing <b>Work Control Coordinator to consult with Building Manager and/or Supervisor when assigning tasks. All work performed in Radiation Fields &gt; 100 mRem/hr, notify Health Physics x-4660.</b>	11. Estimated Dose:  Highest Individual: <u>20</u> mRem <input type="checkbox"/> Per Job <input checked="" type="checkbox"/> Per Entry  Collective: <u>200</u> mRem <input checked="" type="checkbox"/> Per Job <input type="checkbox"/> Per Entry	12. Attachments:  <input checked="" type="checkbox"/> Radiological Survey Form <b>Posted at entrance to area</b> <input type="checkbox"/> Technical Work Document  <input checked="" type="checkbox"/> Other: <u>Pre-Job Review</u> <u>C-A OPM-ATT 9.5.11</u> <b><u>See SI (1)</u></b>	13. Training Requirements:  <input checked="" type="checkbox"/> Radiation Worker I (RWT 002) <input type="checkbox"/> Contamination (RWT 300, 300A) <input type="checkbox"/> Benchtop/Dispersibles (RWT 500) <input type="checkbox"/> GERT <input checked="" type="checkbox"/> Other: <u>C-A Access</u>  <b><u>See SI (2)</u></b>
14. Work Controls:  <input checked="" type="checkbox"/> Facility Support Coverage <b>See SI (3)</b>  <input type="checkbox"/> Intermittent <input type="checkbox"/> Continuous  <input type="checkbox"/> Hold Points  <input checked="" type="checkbox"/> Limiting Conditions <b>See SI (4)</b> <input type="checkbox"/> Air Monitoring  <input type="checkbox"/> Shielding <input checked="" type="checkbox"/> Other: <b>See SI (5)</b>	15. Protective Equipment:  <input type="checkbox"/> Gloves  <input type="checkbox"/> Shoe Covers <input type="checkbox"/> Coveralls <input type="checkbox"/> Head Cover <input type="checkbox"/> Red Trim Lab Coat  <input type="checkbox"/> Respirator  <input type="checkbox"/> Other:  <input checked="" type="checkbox"/> Not Applicable	16. Dosimetry:  <input checked="" type="checkbox"/> TLD  <input checked="" type="checkbox"/> Self Reading Dosimeter <input type="checkbox"/> Pencil <input checked="" type="checkbox"/> Digital  <input checked="" type="checkbox"/> Alarming Dosimeter  <b>(Dose Alarm Setpoint = 18 mrem)</b>	17. Check Out Instructions:  <b>An Activation Check is Required for All Materials Removed From These Primary Beam Areas (Linac Tunnel, Booster Ring, and AGS Ring and NSRL tunnel). Read and Follow All Radiological Postings.</b>
18. Special Instructions (SI): (Including Facility Specific Training) (1) Follow Guidance in OPM 9.5.11, C-A Procedure for Entry to Posted High Radiation Areas. (2) A trained and authorized C-A escort in accordance with C-A OPM 2.16 may escort visitors. (3) When work is to be performed in Radiation Fields > 100 mR hr <sup>-1</sup> , notify Health Physics prior to entry. Only one notification per job is required. (4) <b>Limiting Condition #1:</b> No single entry shall result in more than 20 mR per person. Multiple entries for one job shall be planned so that they do not result in greater than 20 mR per person or a Job-Specific RWP is required. <b>Limiting Condition #2:</b> This RWP is not for work in Radiation Fields > 1000 mR hr <sup>-1</sup> , in posted Contamination Areas, work with the potential to disperse or generate radioactive contamination such as cutting, grinding and drilling and handling or exposure to tritiated water, or unapproved alterations of radiation barriers. Review appropriate radiological survey prior to commencing work.			
19. Signatures Approvals:	Department	Life Number	Date
Facility Support Representative or Designee: <b>Paul Bergh</b> <i>Signature on file</i>	<b>RCD</b>	<b>19773</b>	
Other (Department Specific): <b>Edward T. Lessard</b> <i>Signature on file</i>	<b>C-A</b>	<b>14255</b>	
20. Close-Out Signature (FS Representative):			